

PLANNING OF BUS RAPID TRANSIT SYSTEM FOR COIMBATORE CITY USING REMOTE SENSING & GIS

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Abstract

The increasing need for urban mass transit mobility is now being addressed by various cities in India by following the best practices in the world. One among the best practice is BRTS. To implement BRT system, data like vehicle growth, air pollution, car ownership, shares of public transport were collected and analyzed. Also road wise traffic data was collected from TNSTC, Coimbatore City limit, fatal data was collected from Commissioner Office. PPD data was collected from various bus routes. These collected data are overlaid by considering major roads in the city by using Arc View software and the best route is found. Also, by considering present road width of various roads in the city, road elements for BRT system is recommended by the study of other BRT systems in India and as per IRC recommendations. To mitigate the effects of traffic related problems, Modern techniques and tools to be implemented for finding the solutions for various problems considering the future population.




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